TOP SECRET
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PHOTOGRAPHIC INTERPRETATION REPORT

LIEPAJA
SAM COMPLEX A07-5
USSR

[redacted] 25X1

DECEMBER 1967
COPY 116
17 PAGES

[redacted] 25X1

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
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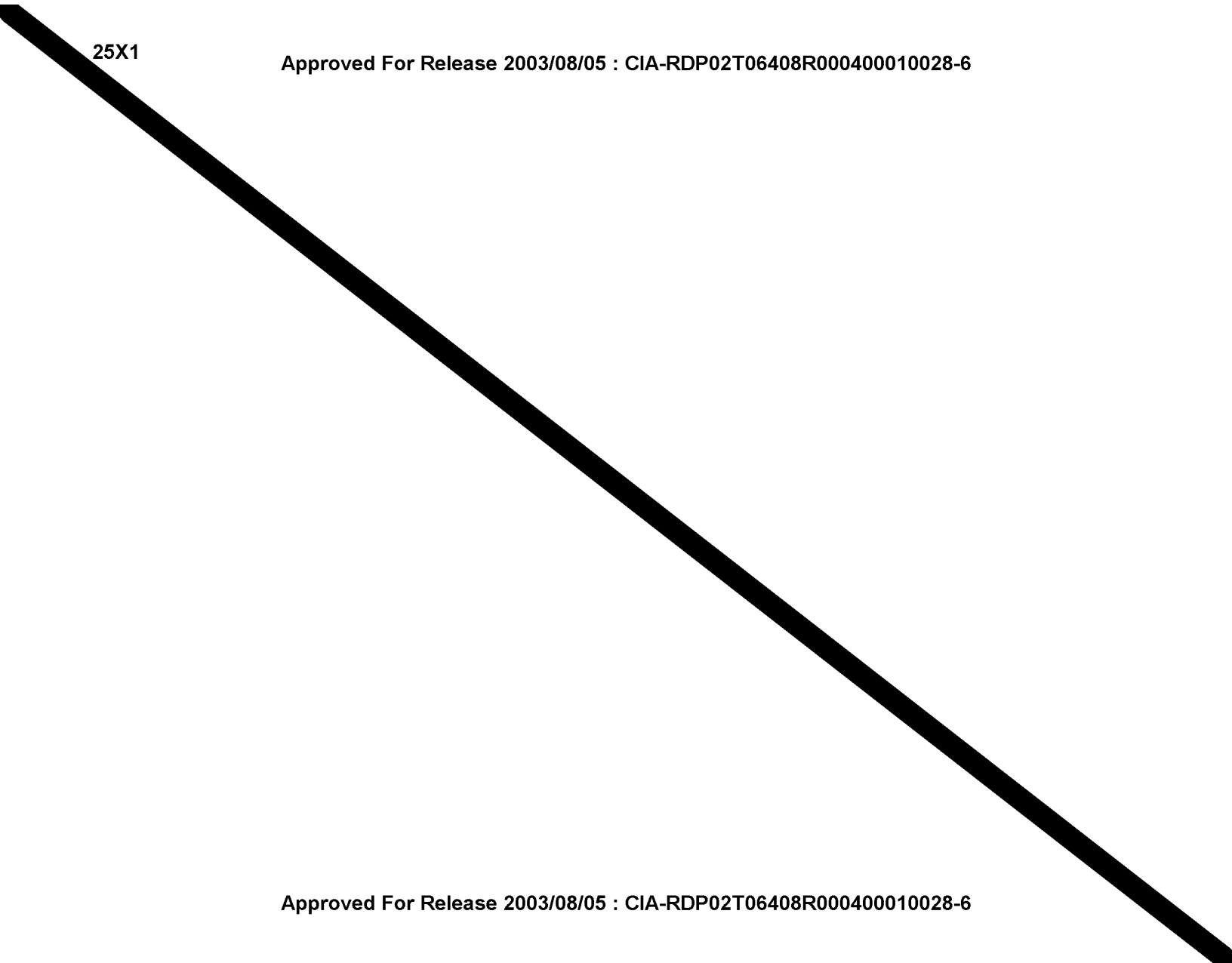

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PHOTOGRAPHIC INTERPRETATION REPORT

LIEPAJA SAM COMPLEX A07-5
USSR

DECEMBER 1967

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

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Liepaja SAM Complex A07-5 (formerly designated Liepaja Probable Long Range SAM Launch Complex) is located at 56-33N 021-11E, approximately 4.5 nautical miles (nm) east-northeast of Liepaja, USSR (Figure 1). The complex lies at an elevation of approximately 100 feet and is oriented on an azimuth of approximately [redacted] Part of the barrier defense formed by SA-5 complexes positioned along the Baltic Coast of the USSR, the Liepaja SA-5 Complex is approximately 48 nm southwest of the Ventspils SA-5 Complex and 110 nm northeast of the SA-5 complex at Kaliningrad. Kuressaare, Tallinn, and Tapa SA-5 Complexes, in addition to the 3 complexes at Leningrad, all are within a radius of 450 nm of the Liepaja complex.

First indicators of construction activity were observed at the Liepaja complex on [redacted] photography of [redacted] while the complex can be negated on coverage of [redacted] First identified on [redacted] the complex then consisted of 3 launch sites, indications of 5 radar positions at the tracking/guidance facility, a support facility, and a missile-handling facility, all in an early stage of construction. Five launch sites were discernible on [redacted] and the missile/missile component storage buildings at the missile-handling facility appeared externally complete at that time. The air-warning radar facility, identified on [redacted] was observed to be occupied by BACK NET and SIDE NET radars on [redacted] Engagement radars occupied the 5 elevated radar positions at the tracking/guidance facility by [redacted] Installation of launchers and dollies at all launch positions was confirmed on [redacted] photography; launchers and dollies were first observed at the complex on [redacted] Missile shipping containers were observed on [redacted] and missiles were identified at the complex on [redacted] The major functional components of the complex (launch sites, tracking/guidance facility, support facility, missile-handling facility, and air-warning radar facility) are now considered to be complete except for secondary construction activity (Figures 2 and 3). The complex may be capable of fully operational status in the near future.

The following is a detailed description of the components, with line drawings and annotated photographs, as seen on photography through [redacted] Lengths, widths, and distances provided in this report are accurate to within ±3 percent except where indicated as approximate. Heights are

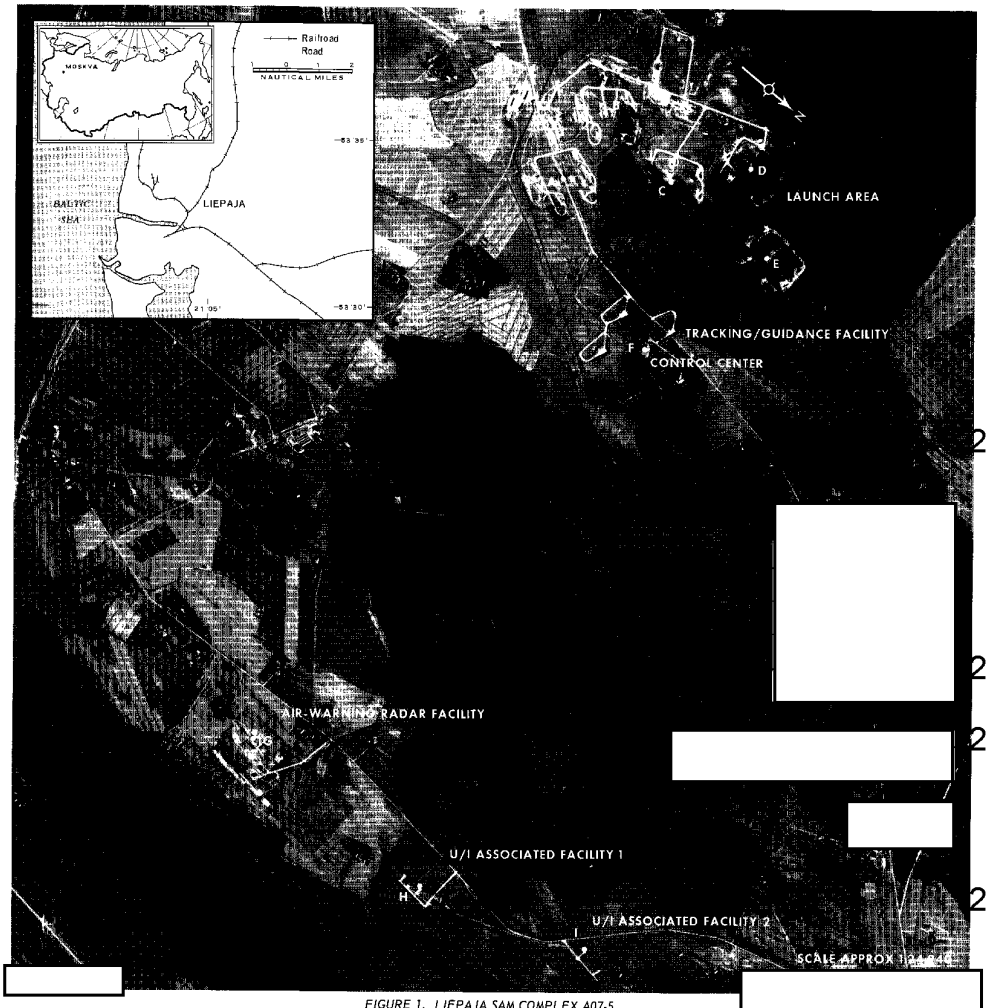

FIGURE 1. LIEPAJA SAM COMPLEX A07-5.

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accurate to within ±5 feet. Dimensions and descriptions of numbered buildings are provided in Table 1.

LAUNCH AREA

LAUNCH SITE A

Launch Site A (Figures 4 and 5) consists of 6 launch positions (designated A1 through A6) and a revetted site control center. Arch-shaped revetments (50 and [redacted] wide, with inside chords measuring [redacted] are located to the rear of the launch points at Positions A1 and A2. Linear revetments (100 by 50 and 85 by 45 feet, averaging [redacted] are similarly placed at Positions A5 and A6. Average height of the 4 revetments is [redacted] Concrete walls, approximately 15 feet high, are present along one side and at the end of the missile dolly tracks at 5 positions and under construction at one. The wall extends the full length of the trackbeds at Positions A5 and A6. Trackbeds at the complex average [redacted] and 10 feet wide, with an average separation o[redacted]at their ends. Launchers are positioned at the launch points, the aprons of which are keyhole-configured. Canvas-covered missile dollies were at the terminus of the tracks on [redacted]

The site control center is protected by a rectangularly shaped revetment approximately 10 feet high. Within the revetted area are 2 electronic vans, connected to each launch position by a cable/cable conduit and a probable generator van. A buried tank is located near the entrance to the control center. Cables/cable conduits extending from the launch positions to the electronic vans penetrate the revetment at 3 points, each common to 2 cables/cable conduits. Junction boxes are present at points of cable/cable conduit convergence. Extending from the site control center toward the tracking/guidance facility a cable/cable conduit appears to pass through a small structure located adjacent to the control center revetment. A cable/cable conduit extends from a small structure adjacent to the complex security fence south of Position A5 to the site control center access road. Another cable/cable conduit connects with the above near the revetment at Position A5 and extends easterly to a small structure. A cable/cable conduit also extends from a point on the left trackbed at Position A2 toward the site control center. Drainage ditches have been excavated both within the perimeters of the site and in the area adjacent to the launch site service road.

LAUNCH SITE B

Launch Site B consists of 6 launch positions (designated B1 through B6) and a revetted site control center (Figures 6 and 7). At Positions B2, B5, and B6 linear revetments (120 by 50, 95 by 50, and 80 by 50 feet, each 50 feet wide) are located to the rear of the launch points. An arch-shaped revetment (40 feet wide, with the inside chord measuring 100 feet) is similarly placed at Position B1. Average height of the revetments [redacted] Launchers are positioned at the launch points, the aprons of which are keyhole-configured, and missile dollies are on the tracks at each position. Missile-ready shelters are under construction at 5 positions.

The site control center is protected by a U-shaped revetment approximately [redacted] Within the revetted area, formerly occupied by electronic and generator vans, a building measuring [redacted] is in an early stage of construction. This building, to the rear of which is a small structure, consists of 2 compartments each [redacted] A cable/cable conduit extends from the control center to each of the launch positions and toward the tracking/guidance facility. Cables/cable conduits penetrate the revetment as at Site A, and junction boxes are also present. The cable/cable conduit extending toward the tracking/guidance facility appears to pass through a small structure located as at Site A. Near the entrance of the control center revetment are a buried tank and a small unidentified structure into which runs a pipeline. A system of drainage ditches has been excavated both within the perimeter of the site and in the area adjacent to the site service road. Trees have yet to be cleared from the area adjacent to Positions B2 and B3.

LAUNCH SITES C, D, AND E

Launch Sites C, D, and E each consist of 6 launch positions and a revetted site control center (Figures 8-13). Revetments, either linear- or arch-shaped, are present to the rear of the launch points at Positions 1, 2, 5, and 6. Dimensions and configurations of these revetments do not deviate significantly from those found at Sites A and B. Launchers are positioned at the launch points, the aprons of which are keyhole-configured, and canvas-covered missile dollies are on the tracks at all positions.

The site control centers are protected by U-shaped revetments approximately [redacted] Within the revetted areas are 2 electronic vans and at Site E a probable

Table 1. Building Dimensions and Descriptions, Keyed to Figures 2, 5, 7, 11, 15, 17, 19, 21, and 23

Item	Description	[redacted]
1, 2	Missile/missile component storage; flat roofed	
3	Gable roofed	
4	Gable roofed	
5	Under construction	
6, 7	Under construction	
8	Gable roofed	
9	Under construction; ramp served	
10	Under construction	
11	Missile assembly/checkout; flat roofed	
12	Heatplant	
13	Flat roofed	
14	Probable administration; flat roofed	
15	Possible propellant loading facility; flat roofed	
16	Flat roofed	
17	Flat roofed	
18	Gable roofed	
19	Flat roofed	
20	Equipment storage/maintenance; flat roofed	
21	Gable roofed	
22	Gable roofed, with dormer	
23	Gable roofed	
24	Gable roofed	
25	Flat roofed	
26	Gable roofed	
27	Flat roofed	
28	Flat roofed	
29	Heatplant	
30	Possible barracks; gable roofed	
31	Possible barracks; gable roofed	
32	Possible barracks; gable roofed	
33	Security building	
34	Gable roofed	
35	Gable roofed	
36	Gable roofed	
37	Under construction	
38	Gable roofed	
39	Gable roofed	
40	Gable roofed	
41	Gable roofed	
42	Possible electronic van shelter; under construction	
43	Possible electronic van shelter; under construction	
44	Control center at tracking/guidance facility; arch roofed	
45	Possible electronic van shelter; under construction	
46	Gable roofed	
47	Gable roofed	
48	Gable roofed	
49	Gable roofed	
50	Gable roofed	
51	Gable roofed	
52	Control building, air-warning radar facility	
53	Gable roofed	
54	Gable roofed	
55	Gable roofed	

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generator van. Cables/cable conduits are visible extending from the control centers to at least 3 of the launch positions at each site. Cables/cable conduits probably connect the control centers with all positions but are not visible because of the presence of trees and their shadows. A cable/cable conduit also extends from the site control centers toward the tracking/guidance facility. Along the control center access road are observed a buried tank at each site and a small structure at Sites C and E. A cable/cable conduit extends from the site service road between Positions D5 and D6 to the entrance of the site control center. Drainage ditches have been excavated both within the perimeter of the sites and adjacent to the site service roads. Trees have yet to be fully cleared from the perimeter of the sites.

TRACKING/GUIDANCE FACILITY

The tracking/guidance facility consists of 5 radar positions and a revetted control center (Figures 14 and 15). The elevated radar positions are occupied by engagement radars and associated electronic vans are parked adjacent to the mounds. Cable/cable conduits are visible extending from 3 radar positions toward the control center. The radar mounds are approximately [redacted] and total height of mound and radar approximates [redacted] Average height of the trees in this area approximates 40 feet. Small buildings, possibly shelters for associated electronic vans, are under construction adjacent to 3 radar mounds. The control center is protected by a revetment approximately 10 feet high.

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Within the revetted area is a building consisting of 2 arch-roofed compartments. A buried cable/cable conduit or cable scar extends from this facility toward the launch area. Additional cable/cable conduit connections with the launch area are not visible but probably have been installed. A system of open ditches has been excavated, probably to facilitate drainage. East of the facility a U-shaped revetment, the function of which is undetermined, is under construction. Secured by a single fence, an earth-covered structure is located south of the facility (Figure 3). A ground scar extends from this secured area toward an earth-mounded structure at Support Facility A. The function of these structures is undetermined.

[redacted]

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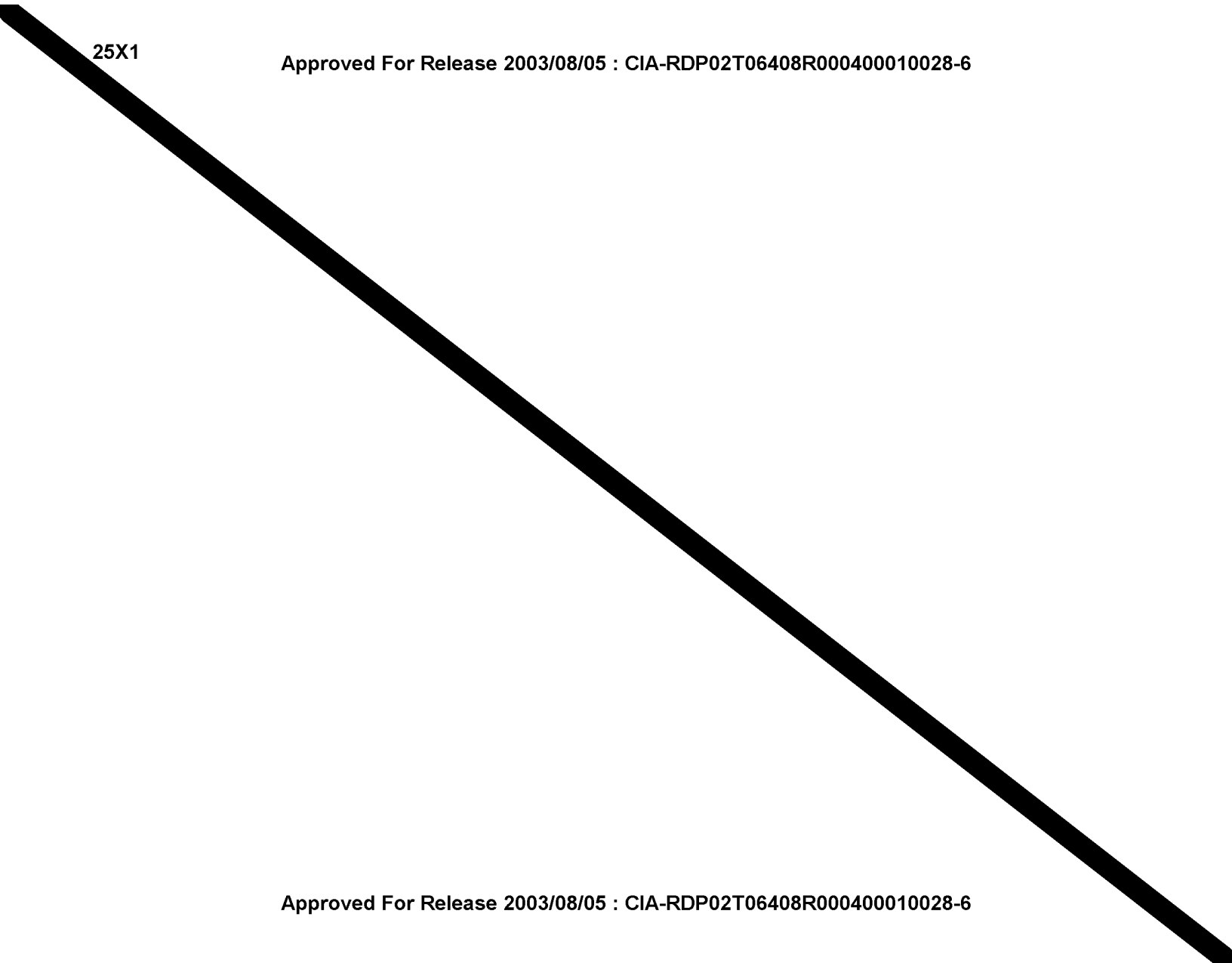

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